

1133279-0017

Please amend the application as follows:

In the specification:

Replace the paragraph on page 3 lines 18 and 19 with the amended paragraph below.

Q1 (Figure 3 is a planar view of one element that makes ~~us~~ up the stent body as shown in the planar view of Figure 2.

Replace the paragraph on page 4, lines 2-6 with the amended paragraph below.

Q2 The present invention is directed to an expandable stent having a geometry that is well-suited for crimping the stent onto a delivery device. In some, but not necessarily all embodiments of the present invention, the stents may have an expanded diameter that is 3 to 6 times that of its crimped diameter. In addition, in some - but not necessarily all - embodiments the stent-to-vessel ratios may be better than approximately 15%.

1133279-0017

Replace the paragraph on page 5, lines 25-31 with the amended paragraph below.

63 The stents of the present invention provide a geometry that improves their crimpability. For example, one embodiment of the present invention may have a crimped diameter of less than 2.0 mm and an expanded diameter of 6.0-12.0 mm, or greater. The stent may be crimped onto a PTA Balloon at a diameter of 1.50 mm and it may be manufactured from a tube having a diameter of approximately ~~0.030~~ between 0.03 to 0.500 inches. Of course, other sized tubes may be used. And stents may be manufactured in a wide variety of sizes for a wide variety of applications.

Replace the paragraph on page 6, lines 20-29 with the amended paragraph below.

64 As is illustrated by Figures ~~10, 3, 4a, 3b, and 3~~ 2, 3, 4a, 4b and 5, in some embodiments, not only is the filament 775a part of one second expandable element 350 which is in turn part of a second helical segment 150a, but also filament 710a is part of one first expandable segment 300 which is in turn part of a first helical segment 120a. Likewise, filament 775b is part of different second expandable element 350, which is part of a second second helical segment 150b and filament 710b is part of a second first expandable element 300, which is in turn part of

1133279-0017

94 another helical segment 120b. Thus, in one embodiment of the present invention portions of one first helical segment and portions of another first helical segment nestle, when the stent is crimped, between portions of two separate second helical segments.

Replace the paragraph on page 7, lines 5-15 with the amended paragraph below.

95 Cell geometry may be such that each cell expands at a relatively constant rate. For example, in the embodiment shown in Figure 8a, each cell is comprised of a plurality of first expandable elements 300 and a plurality of second expandable elements 350. Each first element 300 is in turn comprised of a plurality of R-shaped elements 730a and 730b. The second expandable elements 350 in this illustrative embodiment are generally Z-shaped. During expansion, the R-shaped elements 730a and 730b expand at a slower initial rate than the Z-shaped elements. By staggering or alternating circumferentially first elements 300 and second elements 350, the stent expands circumferentially in a uniform manner because each cell circumferentially expands uniformly, ~~notwithstanding~~ notwithstanding that the elements 350 expand faster than the elements 300. The endzones may also expand at different rates than the elements 300 and 350.
